



# PVA BOND ADHESIVE AND SEALER

## All Purpose Primer, Sealer and Bonding Agent

Technical Data Sheet



GLUES & ADHESIVES RANGE

CLASS  
BS5270

### Description:

*A plasticised, premium PVA resin emulsion with good adhesion to porous materials.*

### Features & Benefits:

- ◆ Improves plaster, cement and concrete mixes.
- ◆ Prime and seals porous surfaces.
- ◆ Quick drying.
- ◆ High bond strength.
- ◆ For internal use.
- ◆ Phthalate free formulation.
- ◆ Conforms to BS5270.

### Uses

PVA BOND ADHESIVE & SEALER can be used with plaster, cement, timber, gypsum wall boards and paper. Properties as an adhesive include fast drying. It is also a readily dilutable primer for sealing applications or addition to cement and plaster to improve adhesion and cure.

### Applications:

- Plaster primer, porous surface primer and sealer.
- Rendering key coat.
- Admixture.
- Dust sealer.
- General purpose adhesive for bonding all common construction materials, provided one surface is porous.

### Limitations

Do not use in areas subject to constant water immersion, or where permanent dampness is likely. Do not use on new cement when cement has not fully cured, or on surface temperatures below +5°C.

### Preparation

All surfaces must be clean, dry, sound and free from dust, grease or contaminants that may hinder adhesion. Remove all loose material and ensure underlying material is strong enough to take the weight or load to be applied. If required, a sealing/priming coat should be applied and allowed to dry thoroughly prior to the application of ADHESIVE/SEALER.

### Application

**As a primer:** Suitable as a primer for sand/cement screeds and renderings, for bonding new plaster onto old plaster, on porous brick, stone, floor tiles and new plaster board. Dilute 1 part PVA with 4 parts water and mix well. Apply using a brush, working material well into crevices and gaps. Allow the coat to dry before

continuing.

For cement: dilute 1 part PVA to 1 part gauging water.

For plaster: dilute 1 part PVA to 5 parts gauging water.

For dustproofing: as for priming.

### Key coat & bonding aid:

For use as a key coat for new plaster, For use as a key coat for new plaster, concrete repairs, cement screeds and renders. After priming absorbent surfaces as described above, apply a coat of undiluted PVA BOND and apply topping whilst the coating is almost dry but still tacky.

As a key coat for ceramic tiles (note: not suitable for use in bathrooms) and painted surfaces, first ensure that the surfaces will withstand loading of new plaster. Apply PVA BOND undiluted and trowel on plaster whilst still tacky.

As a key coat for lightweight plasters over painted ceramic tile surfaces and heavy duty cement rendering (over 9mm). Mix 1 part PVA with 1 part water and use to slurry a blend of 1 part Portland cement to 2 parts clean sharp sand and apply with a notched trowel. Allow to dry for a minimum of 24 hours and then apply a top coat of plaster or cement.

Key Coat for porous and rough surfaces, bonding paving, terrazzo, quarry, slate and floor tiles. Prime the floor and back of the tiles as specified under priming. Mix 3 parts PVA with 1 part water and coat floor and tile backs. While still tacky apply sand and cement slurry to the floor and bed in the tiles. The bedding should be of a minimum 3mm.

**As an adhesive:** Apply to one side and bring together within 3-5 minutes, apply constant moderate pressure by clamps or weights.

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### Colour

White liquid.

### Shelf Life

Minimum 24 months from date of manufacture when stored in original, unopened bottles

### Storage Conditions

Store in cool, dry conditions in original, unopened containers between +5°C and +25°C. Protect from frost and direct sunlight.

## Disposal of Containers

Do not leave empty containers where residue could be harmful to children, animals or the environment. Replace lids and remove any containers to a central disposal point in accordance with local regulations.

## Health & Safety

Please refer to separate Safety Data Sheet (SDS) for full handling, use and storage instructions. Keep out of reach of children. It is the user's responsibility to determine suitability for use. If in doubt, contact our Technical Department for advice.

**Note: this information is for general guidance only, since site conditions and labour are beyond our control.**

### Specification Summary

Appearance	White liquid
Polymer Type	Vinyl acetate homopolymer
Plasticiser	Phthalate free
% Plasticiser	9% on polymer solids
Total Solids	30% (+/- 1%)
pH	4-6
pH Stability	2-10
Particle Size Range	Approx. 0.5 - 1.5 microns
Density	1.05g/cm <sup>3</sup>
Brookfield Viscosity @+25°C RVT Spindle 6 @ 20rpm	170-200 poise
Commodity Code	3214900000

### Suction control for porous surfaces:

USE	PVA BOND	H2O	COVERAGE / 5L
PRIMING COAT	1	4	115m <sup>2</sup>
BONDING COAT	1	-	45m <sup>2</sup>
Figures will vary according to the substrate.			
Minimum solids	35% w/w		



### Product / Order Details

Code	Colour	Size	Barcode	UFI
BDA021	White	500ml	5060021361653	-
BDA022	White	1L	5060021361660	-
BDA024	White	2.5L	5060021360670	-
BDA023	White	5L	5060021360663	-
BDA025	White	25L	5060021360687	-



### Part of the Bond It Glues & Adhesives Range

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**Note:** The data presented in this leaflet is in accordance with the present state of our knowledge, but does not absolve the user from carefully checking all supplies immediately on receipt. We reserve the right to alter product constants within the scope of technical progress or new developments. The recommendations made in this leaflet should be checked by preliminary trials because of conditions during processing over which we have no control, especially where other companies raw materials are also being used. The recommendations do not absolve the user from the obligation of investigating the possibility of infringement of third parties rights and, if necessary clarifying the position. Recommendations for use do not constitute a warranty, either expressed or implied, of the fitness or suitability of the products for a particular purpose.



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